

Presentations Maglev 2018

№	The title of the presentation	Author	Session
1	Status and Prospects of Japanese Maglev Systems-Development and Commercial Operation	Ohsaki Hiroyuki	Physics Auditorium, 05.09.2018, PLENARY SESSIONS
2	Perspectives and Major Barriers to an Innovation of Maglev Transport Systems	Kluehspies Johannes	
3	APPLICATION AND FURTHER DEVELOPMENT OF MAGLEV TRANSPORTATION IN CHINA	LIN Guobin, Sheng Xiongwei	
4	MULTI rope-less elevator demonstrator at test tower Rottweil	Loeser Friedrich, Jürgen Frantzheld, Markus Jetter, Rüdiger Appunn	Physics Auditorium, 05.09.2018, Session "STRATEGIC DEVELOPMENT OF MAGLEV TRANSPORT, GLOBAL AND REGIONAL PROJECTS"
5	Status of Maglev Projects in North America	Blow Laurence	
6	The role of freight maglev in world economics	Smirnov Sergei	
7	High Speed MAGLEV Key underlying technologies	Körner Sven	
8	Energy Consumption of Track-Based High-Speed Trains-Maglev Systems in Comparison with Wheel-Rail Systems	Eckert Fritz, Johannes Klühspies, Roland Kircher, Michael Witt, Larry Blow	Physics Auditorium, 05.09.2018, Session "TRANSPORTATION SYSTEMS"
9	MAGLEV FREIGHT - ONE POSSIBLE PATH FORWARD IN USA	WOLEK ARTHUR	
10	COMPARISON OF HIGH-SPEED MAGLEV SYSTEM AND HIGH-SPEED RAILWAY SYSTEM	Liu Wanming	
11	Development Prospect of High Speed Maglev after High Speed Rail Era	Liu Wanming	
12	Magnetic Levitation Transport as an Instrument for Innovative Transformation of Spatial Structure of Urban Agglomerations	Nikolaev Andrey	Chemistry Auditorium, 05.09.2018 Session "MAGLEV SUBSYSTEMS"
13	A Study on a Design Method of EDS and LSM of a Superconducting Maglev System	Takenori Yonezu, Ken WATANABE, Erimitsu SUZUKI, Takashi SASAKAWA	
14	Linear Vernier Actuator with Two Movers	Akira Heya, Katsuhiko Hirata, Noboru Niguchi	
15	Passively Stable Energy efficient MAGLEV System Based on Quantum Levitation The Supratrans	Fuchs Guenter, Ludwig Schultz, Dietmar Berger, Oliver de Haas, Bernhard Holzapfel	Oak Hall, 05.09.2018 Session "REGULATORY ISSUES"
16	Magnetic Levitation Transport Systems-Training Specialists and Personnel Recordkeeping	Morozov Vadim	
17	Magnetic Levitation - Fundamental Basis for Superfast Vacuum Levitation Transport Technologies	Lapidus Boris	
18	Assessment methodology of the intermodal effects of high-speed transport systems based on magnetic levitation	Zhuravleva Natalia	
19	Operational Breakdown and Performance Measure of the Transcontinental High-Speed Maglev	Venturi James, Cezar Nicolescu	

20	RISK ASSESSMENT MODLE OF THE GUIDEWAY SWITCH SYSTEM OF THE HIGH SPEED MAGLEV SYSTEM	Pan Hongliang, Xing-tai He, Guofeng Zeng, Zhi-wei Zhu	
21	Environmental Issues-related to High Speed Transportation Systems	Roland Kircher, Johannes Kluehspies, Ryszard Palka, Eckert Fritz, Kenji Eiler, Michael Witt	Assamby Hall, 05.09.2018 Session "CURRENT STATUS AND NEW IDEAS"
22	Hyperloop as an evolution of Maglev	Santangelo Andrea	
23	Bearingless machine with zero-sequence current driven star point-connected axial AMB	Dietz Daniel	
24	Latest Advancements in the Urban Maglev ECOBEE	Han Hyung-Suk, C.H. Kim, J.W. Lim and C.W. Ha	
25	The Maglev – systems on the basis of trestle of arch type	Sundukov Evgeny, Leonid Selivanov, Veronika Sundukova	
26	Service experiences Maglev Vehicles Shanghai	Rampelmann Reinhard, Reiner Köhler	Physics Auditorium, 06.09.2018, Session "TRANSPORTATION SYSTEMS"
27	Curving Performance of Medium-low Maglev Vehicle Considering Nonlinear Characteristics of Air Spring Suspension	ZHAO Chunfa, Yang FENG, Xiaobo REN, Yan LI	
28	Dynamic Mechanical behaviors of Secondary Air Spring Suspension of High-Speed Maglev Vehicle Running over the Curve Track	Feng Yang	
29	Innovations and Performance of Italian UAQ4 Superconducting Magnetic Levitated System 2	D'Ovidio Gino, Giovanni Lanzara	
30	EMPIRICAL INVESTIGATION OF POSSIBLE CONCERNS REGARDING THE USE OF MAGNETIC LEVITATION ELEVATORS	Kirchner Manuel	
31	A New Concept of Superelevation in Magnetic Levitation - ProDynamic	Jacob Angelo, Monteiro, N. M. V.	
32	Construction and Equipment Configuration of Beijing Urban Maglev Commercial Line	Li Jie, Ping WANG, Gang REN, Yonggang WANG	
33	Modeling and simulation of coupling vibration between medium-low speed maglev vehicle and guideway	Yusheng Zhang	
34	Adaptive vibration control of the electromagnet-track coupled high frequency resonance for an urban maglev system	Zhou Danfeng	
35	Theoretical Base and Methods of the Complex Optimization of Maglev	Lascher Arkadij	
36	Results of the Complex Optimization of Maglev	Witt Michael, Lascher Arkadij, Evgeni Frishman, Mark Umanov	
37	Experience in the development of transport systems with magnetic suspension and linear electric drive	Galenko A.A. FironovA.N., GorelovA.T., KonovalovV.V.	
38	Design of SLIM for mid-low speed maglev vehicle in 160kmh And variable slip frequency control	He Yunfeng	
39	Constant Switching Frequency Model Predictive Control for Permanent Magnet Linear Synchronous Motor	Ma Zhixun, Yuanzhe Zhao, Yan Sun, Zhiming Liao and Guobin Lin	

40	NEW TECHNOLOGY FOR MANUFACTURING INDUCTORS OF LINEAR INDUCTION MOTORS FOR MAGNETIC-LEVITATION TRANSPORT	Solomin Vladimir, Andrei V. Solomin, NadezhdaA. Trubitsina, Larisa L. Zamchina, Anastasia A. Chekhova	Chemistry Auditorium, 06.09.2018, Session "MAGLEV SUBSYSTEMS"
41	MULTIFUNCTIONAL LINEAR INDUCTION MOTOR WITH LONGITUDINAL-TRANSVERSE MAGNETIC FLUX FOR MAGNETIC-LEVITATIONAL TRANSPORT	Solomin Vladimir, Andrei V. Solomin, Victor V. Koledov, NadezhdaA. Trubitsina	
42	PREREQUISITES FOR THE CREATION OF A HIGH-SPEED CONTAINER TRANSPORT SYSTEM	V. Kireev, N. M. Kozhemyaka, G. N. Kononov	
43	Recent Activities of HTS Maglev in ASCLab	Deng Zigang	
44	Influence Analysis of Track Irregularity on Running Comfort of Maglev Train	Xiong Zhou, Jingyu Huang	
45	MULTILAYER SUPERCONDUCTING TAPE OF Nb50Ti ALLOY MADE OF Cu Nb Ti COMPOSITE BY SOLID-PHASE METHOD	Valery P. Korzhov, Vladimir N. Zverev	
46	Modeling and Controller Design for Permanent Magnet-Electromagnetic Hybrid Suspension System	Yu Peichang	
47	A METHOD OF THRUST RIPPLE SUPPRESSION FOR LONG STATOR LINEAR SYNCHRONOUS MOTOR	S. Mu, J. Kang, S. Wang, Y. Liu, C. He	Oak Hall, 06.09.2018, Session "REGULATORY ISSUES"
48	MULTICRITERIA EVALUATION OF THE HSR (HIGH SPEED RAIL), TRM (TRANSRAPID MAGLEV), AND HL (HYPERLOOP) SYSTEM	Janic Milan	
49	DZUNGARIA CORRIDOR FOR VACUUM MAGNETIC LEVITATION TRANSPORT- LOST OPPORTUNITIES OR WEIGHTED OPTIMISM	Bogachev Viktor, Y.A. Terentyev, V.V. Koledov, T.V. Bogachev	
50	Study on Calculation of Standard Operating Cost of Incheon Airport Maglev Line	K. B. Lee, S. K. Mal, B. C. Shin, DohY. Park	
51	Optimization of the Auxiliary Stopping Area (ASA) Planning in the Middle and High Speed Maglev	Qingying Lai, J. Liu, L. Meng, X. Chai, Q. Wang, Y. Xu	
52	EXPERIMENTAL RESEARCHES ON MAGNETIC LEVITATION FORCES IN PERMANENT MAGNET-BASED SUSPENSION SYSTEM	Zimenkova Tatiana, Sergey A. Kaznacheev, Viktor V. Nikitin, Anton S. Krasnov, Nikita A. Aksenov	
53	Parametric Analysis in Dynamics of Structures with Uncertain Damping	Livshits Arkady	
54	Evaluation of Public Efficiency of the Strategy for Development of High-Speed Urban Transport	Fiodorova Maria	Assambly Hall, 06.09.2018, Session
55	ELTRO-Multifunctional Magnetic Levitation Transport System	Komarov Vladimir, Glushenkov V.A., Slepcev M.A.	
56	REACTIVE AND PERSONAL ANXIETY WHEN MAKING MANAGEMENT DECISIONS ON THE TRANSPORT	Grigorev Nikolay	
57	Professor Weinberg and his installation for "motion without friction"	Volkov Mikhail	

58	Maglev Technology In China- The New Spring And Enlightenment For Future Development	Shaozhi Hong	“CURRENT STATUS AND NEW IDEAS”
59	AIR CUSHION VEHICLE (ACV) HISTORIC DEVELOPMENT AND MAGLEV COMPARISON	Ferreira Hugo, Richard M. Stephan	
60	Research and applied subjects of Nizhny Tagil City Council of the All-Russian Society Rationalizers	Isupov Yurii	
61	Permanent-Magnet-Based Maglev Using Low Frequency Null-Flux Stabilization	Van Rosendale John	Poster Session
62	Bimodal Maglev Interoperable with Conventional Rail Infrastructure	Van Rosendale John	
63	Maglev transportation systems standardization in Russia	Shmatchenko Vladimir, Plekhanov Pavel	Plenary Session “CONFERENCE OUTLOOK”
64	PRACTICAL INVESTIGATION OF FUTURE PERSPECTIVES AND LIMITATIONS OF MAGLEV TECHNOLOGIES	Wenk Matthias, J. Kluehspies, L. Blow, R. Kircher, E. Fritz, M. Hekler, M. Witt	